KATORTPON 'OYPA'NION:

ALMANACK

FOR THE \$2465

Year of our Lord God 1703.

Being Third after the Biffestile or Leap-Year And from the World's Creation, 5652.

Wherein is contained the Conjunctions of the Planets and Fixed Stars with the Moon. The Mutua Aspects of the Planets: Their Heliocentrick and Geocentrick Places once a Month. The Eclipses of the Luminaries. The Increase and Decrease of the Day. The Rising and Setting of the Sun. Also the Rising, Southing and Setting of the Moon. With other pleasant Observations, very requisite for men of all sorts.

Calculated according to Art for the Mericia a and Latitude of the Ancient and Renowned Borough-Town of Stamford in Lincolnshire, whose Littrade is 52 deg. 40 min. Fitting all the middle Counties of Eng. Land; and without sensible Error the whole Kingdom.

By JOSEPH PEPPER,
Teacher of the Mathematicks & Writing in Stamford.

Printed by Mary Roberts, for the Com a y o

Julian, English, Old Accoun	according to the	Gregorian, or New Account
J3 4	The Golden Number, The Cycle of the Sun,	15
	The Dominical Letter, The Reman Indiction,	II.
23	The Epact, Number of Direction,	13

The Characters of the Twelve Signs, and what Parts of the Body they are faid to govern.

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Taries, Head and Face. Tourns, Neck and Throat. Gemini, Arms and Shoulders. De Cancer, Breast and Stomach. Of Leo, Heart and Back. W. Virgo, Bowels and Belly. Libra, Reins and Loins. M. Scorpio, Secrets Sogietary, Thighs. VS Capricorn, Knees. J. Aguarus, Legs. H. Pisces, the Feet.

The Characters of the Seven Planets, with the Dragons Head and Tail.

Mercury, D Moon, & Dragons Head, & Dragons Tail

The Afpeas both O'd and New.

of Conjunction, when Planets are in one Sign and Degree SS Semifextile, when they are asunder 1 Sign.

** Sextile, when they are 2 Signs distant.

Quantile, when they are one from another 2 Signs 12 deg.

Quartile, when Planets are distant 3 Signs.

To Iridecile, when they are 3 Signs 18 degrees distant.

A Trine, when they are parted 4 Signs

Bq Bigaintile when they are removed 4 Signs 24 degrees.

Ve Designar, when they are 5 Signs distant.

8 Opposition, when they are distant 6 Signs.

Table thewing how to find Eafter for ever, by the help of the Galden Number and Dominical Letter.

Serie.	A Alberta Control	distribution in	A STATE OF THE PARTY OF THE PAR			ben's	ALTERNATION AND
G. N.	A	B	C. 1	D.	E	F	G
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G.N.	11	12	13	140	15	16	17
D Let.	E	D	C	BA	G	F	E

BY this Table you may easily find Easter (and from thence the other Moveable Feasts) in any Year to come. The use is thus You must first know the Golden Number and Dominical Letter for that Year in which you would know when Easter will fail; which you may find for 7 Years at the bottom of the Table; then enter the Table with the Golden Number in the first Column, and the Dominical Letter at the top, and in the common Angle is the day of the Month whereon Easter folleth that Year; but in the Leap-Year there being two Dominical Letters, take the last of them and work as before.

Having found Easter, you may from thence find the other bloveible Feasts. Shrove Sunday is 7 Weeks before Easter Roggions
Sunday 5 Weeks after Easter. The Thursday after Roggion i
Ascention-day 7 Weeks after Easter is Whitsunday. The Sun
day following is Trinity-Sunday. The Thursday after that is
Corpus Christic Advent Sunday is always the nearest Sunday to
the Feast of St. Andrew, whether it be before it or after it.

A Table shewing the Hour and Minute of the Moon's coming to the South the first Six Months of this Year 1703.

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A Table hewing the Hour and Minute of the Moon's coming to the South the last Six Months of this Year 1703.

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Moons make a High Water. But when you desire the time
of Pull Sea in any of the places in the Tide Table, find the
name of the Place, and see how many Hours and Minutes be
annexed thereunto in the Column under H. M. which added
to the time of the Moon's coming to the South, gives the
sime of High-Water at the place required.

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Example.

The 7th day of April, this Year, it is required to know the time of High-Water at London. By the Table of the Moon coming to the South, against April the 7th I find the Moon South at I ho 51 min afternoon, then in the preceding Tide Table I find against London 3 ho. o m. which being added to 1 ho 51 me makes 4 ho 51 min, the time of High-Water at London April the 7th in the Afternoon. So of any other.

Note, That the Tide floweth confiderably more at the New and Foll Moons, than at the First and Last Quarters; as also the Latitude of the Moon and Wind may alter it an Hour sooner or later.

How by the Moon faining upon a Sun-Dial, and by the Table of the Moon's Southing, to find the Hour of the Night.

left look for the Moon's Southing for your day, then look how many hours and minutes the Shadow wants or is pall the hour of 12, which substract from her Southing if it wants of 12, or add to her Southing if it be past 12, and he Sum or difference is the hour of the Night.

BRample

The sorb day of January this Year it is required to know the hour of the Night when the Moon upon the Sun-Dial gives it to be 30 min. past 10. I find (by the Table of the Moon's Southing) her Southing to be that day at 11 hour min. from which I substract 1 ho 30 min. (the time that it wanted of 12) and the Remainder is 9 ho. 41 min. the time of the Night required.

January hath XXXI Days. 15

0	Th	e Heliocentrick	and la	urn	9	Υ4 Υ3	2 4 T	O 2 S 23
Dr	OC	enteck places of	ari. M	harer	1	0		2 0 513
-	ine	the fieft day of	the Fat	rh		954	100	2 313
NA.	15	th at Noon.	Va	nus				7 0 539
107	711	in at Ivoor.	M	erCH1	Vio.	20	8 V3	2 . 6 .
- 1			-		101		N. E	1
2		Circumcifion	fcr rp.		0	24	noity a	nd harp
	-	Abel	Corp.					at the
3	-		Ggit.	-				g may be
4		Telesporus	fagit.	100000				expect-
5		Simeon	capri.	13				elding
		In L. Farani	iqua.	11				iom or
7	D	Sun rife 7. 58. Erhard	iqua.					followed
9			pifces	25				b Winds.
		Sol in Aquarius I Sun. p. Epiph.	pilces	22				it the first
	ň	Sun fet 4 8.	iries	5				Quarter
12	6	Satyrius	aries	17				yet the
	ě	Hilarius	aries	20	A. esta	2	Vercher	general.
		Fælix	caur.	11				ly close
	-	Maurit.	taur.	23				and fog-
		Marcellus	gem.	-5				t about
17	0	2 Sun p.Epirh.	gem.	17	.2	123	4 T 0	thistime
. 8	D	Sun rife 7.41.	yem					d ftormy
		Pontian.	canc.	11				* 49
		Fa. & Se.	canc.	24				. 4 0 9
		Agnes	leo	6				isexpect
		Vincent	leo	19				ed, with
		Term begins	virgo	2				f Snow
	-	Septuagefims !	virgo		i.	26 3	99	about the
		Conver. S.Pau	virgo	29	1	401	FORE	ullMoon
		Sun fet 4. 33.	libra	13				wichFroft
		J. Chry.	libra	24				and ex-
		Gir. Mi.	corp.	11	1	5 2 0	ected to	continue
29	8	Valerius	Corp.	25				e forms
3	b	Kichar. I. Mart.	fagit.	. 9	2	0 11	the laf	Quarter
		Sex gefana	ligit	23	2	414	et froft	othe end

January 1703.

- New Moon the 6 day, 22 min. past 11 in the foresoon.

 First Quarter the 13 day, 23 min. past 10 at night.

 Full Moon the 21 day, 40 min. past 11 at night.

 Last Quarter the 29 day, 16 min. past 3 in the morn.

	2	0 10 10 10 10 10 10 10 10 10 10 10 10 10
1 TM4		Hotham the Son beheaded, 1644
2 3 11	12.	Horham the Pather beheaded, 1644.
3 4 30	5 5	K.Charles II. Crown'd at Schone in Scotland, 1650.
4 5 4	P	General Monk died, 1669, 70
5 6 59) with Mercury at 3. 42. afternoon.
6 New	-) with Penus at 5. 20. in the morning.
7 5A2		This Month was the Lord Chief Juffice Scrogs
8 6 4	3	impeached, 1680.
9 7 5		while r is terrial which the
10 9 0	3) of with Marchab at 7. 5 in the morning.
1110 2	13	With Cotornat IV sa in the morning and
1310 2	13	with Saturnat 11.53. in the morning; and the with Japiter at 8 15. afternoon; and
12 11. 3	ñ	the) on the seah day wish store at 0 .
13 12 39		the) on the 11th day with Mars at 8.48.
14 OM39		afternoon.
15 1 4		Two Judges impeach'd of High Treason, 1680.
16 2 5		Scots arteed England, 1643.
17 3 5	7	Six Jefuits condemned but not executed, 1679.
18 5 0	2	Les figures from the second for
19 5 5	5	rockers and an animal and
20 6 4	8 .	Burtle Committee Brook and State Sta
ar Fall	-	the profit is a second of the
32 5A	3 3	Market Black of Carconnel 136
13 6 1	8 3	windle that on the winds I the
24 7 2	4 3	Grove and traland executed at Tybern, for con-
25 8 4	9 7	Spiring the death of the King, 1678, 9.
26 10 0	5 3	or his to be the training of the second of t
27 11 2	Sine	to the same of the same
28 12 5	/	Printed to the state of the sta
		distribut the thirty and a delivery
430	. 8) with Arteres at 6 are in the morning.
19 0 Mg) with Antares at 6, 22, in the morning.

		Helio	Days.	_
Satur	n		46 67 3	
Supit	er	217	24 12 74	4 TS
Mars	13		1923 V3:	2 ON 1
Earth		238		-
Venu			26262 1	
Merc	ury	22 光	35 0 × 5	133
s plac		ncreal	Afpects	ind We
		2.2		er.
Noon.	-/-	-		-
	8	2 . 1	Frosty h	nd Co
			*00	
12.				ntinues
		2 20		out th
	,		New Mo	
	′		and a Ti	
	0	2 3	be expedi	ea, wit
es . 1	-1		Main.	£ 11
	,	2 40	Snow an	1
		44	thant, V	Varehan
		5.	and fome	ching
A-2			foggy an	
	5	35 0	and about	the fir
c.		7 4	Quatter	ome
c. 1		8	Quarter of Frost, followith for	lowed
1	2	3 2 12	with for	yand
) 14	4	17	drilling 1	Weather
28		3 21	but about	the Fu
go 1	1		Moon ve	
30 2	5		Winds, an	
a 5	1		lent West	
2 23	3		plenty of	
p. 7			Snow ma	
p. 22			pected, a	
t. 6			pinue for	
	1			conflan
	Ž¢	20 3	20 3 54	o 3 54very un

February 1703.

- New Moon the 4 day, at 2 min. past midnight.

 First Quarter the 12 day, 10 min. past 6 at night.

- Full Moon the 20 day, at 2 in the afternoon.

 (Last Quarter the 28 day, 48 min. past 10 in the morn

_	Moon's Rifing & Sert.		A Chronology; with the true time of the Conjuctions of the Planets and Fixed Stars with Co. &c
1 2 3 4 5 6 7 8	5 47 6 35 New) 5 A 34 6 48 8 01	rif. Moon	Snumg Harp & with) at 6. 10, afternoon. 5 day, Girdle of Andromeda & & at noon.) with Venus at 7. 34. in the morning; and the) with Mercury at 9 31. afternoon.) with Saturn at 1. 25. in the morning; and
91011	10 22 11 30 12 38 0M38	Setting	with Jupiter at 2. 18 afternoon; and on the 9 day the) is with of at 7. 45 afternoon. Mid. Ori. Belt, at 0. 52. paft midnight.
17	3 46 4 43 5 25 5 59 6 33		The high and prodigious Wind, 1661.
13	7 58 9 20 10 41	aon's R	The Dutch beaten by the English, 1652.
7 8	oM 7	Hing) & with H of Hercules 110.27 afternoon

March hath XXXI Days.

The Heliocentrick Geocentrick places of Planets, with their tude the first day of Month at Noon.	the Est	rs th	21	Y5	9 7 48 2 S 15 7 18 7 40 1 S 7 7 2 0 38 0 N 37 5 1 7 15 1 S 15 1 1 7 3 N 30
al O David B	kapri.	18	- 1.6		J ♀ ₹ At the be-
2 8 Sun ife 6 16.	qua.	2	4		inning frofty
3 Marianus	qua.	15	4		weather is expett-
4 d Lucianus	aqua.	29			d. But about the
5 a Eusebius	pifces	12	4	18	6th day Winds
6 5 Sun fet 5 52.	pifces	25	4	22	with cold Rain or
	2 yaries	8	14		J ⊙ ∑ Snow fol-
7 Mid-Lent Sund 8 d Cyprian	ries	21	4		of fi ? lowed
gle Prulent.	raur.	3	4		with Frest But a-
to f Sol in Aries	: laur.	15	4		bout the 13th or
11 g Agapitus	raur	27	4		14th days Winds
12 & Gregorius	gem.	9	4		with plenty of
13 b Erneftus	gem.	21	415		* 3 Q Rain or
14 C 5 Sun. in Lent	cane	3	4		Snow, and conti
15 0 Sun rife 5. 50.	canc.	15	4		iues rough and
16 8 Herbert	canc.	27	5 7		formy, and abou:
17 f Gertrude	10	10	5 0	6	his time fome
18 g Edward	leo	22	5	30	349 Frost is
19 a loseph	virgo	6	5	14	expected, but the
b Rupert Palin Sunday	virgo	19	5		21ft, or 22d day
51 6 Latto Struday	libra	3	5		produceth windy
22 D Sun fet 6.24	libra	18	5		of ho and ftor
23 e Victorin.	Corp.	3	5	30	my Weather, fol-
24 f Quiricus	Corp.	17		34	lowed with Froft.
25 g Lady- Day	ligit.	2		38	and cloudy elofe
a6 a Callulus	fagit.	16		43	Weather ; and at
27 b Jo Erem.	capri.	1	5		he end of the
28 C Eafter Day	capri.	15	5		Month d illing
19 8 Sun rile 5 21.	capri	28		50	Rain may be ex-
30 e Guido	qua.	12	6	I	caled.
al f Balbina	liqua	.25	6	- 6	1 2 4

- New Moon the 6 day, 45 min past r afternoon.) First Quarter the 14 day, 1 min. paft 3 afternoon.
- Full Moon the 22 day, 38 min paft 1 in the morn.
- (Last Qu reer the 28 day, I min: past 6 afternoon.

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1 2 29

) with Mercury at 3. 37. afternoon.

) with Venus at o gr afternoon, and with Saturn at 4. 20. afternoon; and on the 8 day Jupiter is with the Moon at 10 32. in the morning; on the 10 day Mars is with

the D'at 7: 15. afternoon.

8. K. William the Third of bleffed memory departed this Life, 1701, 2

Miles Sindercome, for contriving the death of Oliver Cromwell, fentenced to dye, but died in his Bed the Night before Execution in the Tower of London, 1656.

The horrid Popish Plot discovered, 1628.

) with Antares at 5. 10 afternoon.

2 9 of with Scheder at 5. 48 affernoon.

27 K. James the Firft died, 1625.

April hath XXX Days.

The Heliocentrick and leocentrick places of the	Jupiter	12 Y 49 26 Y 42	13 Y 40	2514
lanets, with their Lati	Mars Earth	28 11 24	311,24	ON 5
lonth at Noon.	Venus	4H44	9035	051

1 8	Theodore	pifces	9	6	10	Windy and clou-
	Ma. Egypt.	pifces	23	6		dy, and about the
3 0	Christian.	ries	4	6	18	New Moon Chow-
	Low Sunday	ries	17	6	22	ry Weather may
	Sun fet 6. 54	ries	29	6	26	be expected, and
-	Sixtus	aur.	12	6	39	3 4 0 conti-
	Egelippus	aur.	24	6	34	nue dropping !-
	Dionyfius	tem.	5	6	38	then fair for fome
	Sol in Taurus	gem.	17	6	42	days ; but about
	Sun rise 4 56.	gem.	29	6	46	the First Quarter
TO	2 Sun. pift Eafte	canc.	11	6	59	fome cold Rain
GP 278 . 5	Julius	cinc.	23	6	154	may be expected
	Justinus	leo	5	6	258	then warm for
	Term begins	eo	18	73	2	few days, but
5 g	Perpetus	virgo	0			foon turns to cold
6 a	Sun fet 7. 16.	rirgo	14	75	110	cloudy and clos
	Anicetus	virgo	27	7	14	* 3 \$ Wea-
	3 Sun. paft Eafte	libra	12	7	17	of h & there;
90	Timon	nbra	26	7	21	but about this
30	Sulpitius	corp.	11	7	24	* h o time
I f	Sun rife 4 35	Corp.	26	17		fome warm flow-
	Quintin.	fagit.	11	7	31	ers are expected,
	SGEORGE	fagit	26	7	_	and continues
4 6	Albertus	apri.	11	7		warm, and fine
-	S. Mark	apri.	25	.7		Spring Weather,
	San fet 7. 32.	qui.	1.9	7		till almost the
	Anaftafius "	qua	22			end, which may
, , -	Viralis	pitces	6	7		
	Sybiila	offices	18	7		3 4 \$ be ex-
	Sun rife 4 21.	tries	10	7		pected to prove
a	Juli 1110 4 21.	11152	1	75	50	vindy.

New Moon the 5 day, 37 min. past 4 in the morning.
First Quarter the 23 day, 26 min. past 8 in the morning.
Full Moon the 20 day, 44 min. past 10 in the morning.
Last Quarter the 27 day, 54 min. past 1 in the morning.

			18 and the contract of the con
1 4N	1 34	~	Queen Anne died at Hampson-Court, 1619.
2 4	48	Ri	D with Mercury at 7. 48. afternoon. 2 day G. Andromeda of with 4 at 6.90 aftern D with Saturn at 5.21, afternoon.
3 5	6	5	2 day G. Andromeda o with 4 at 6, 90, america
4 5	alu .	~	
5 Ne		2	with Jupiter at 9 20. afternoon,
6 8A	Pa States	N) with Venus at 8. 28 afternoon.
7 9	33	5	41.
810	40	3	with Mars at 9.29. afternoon.
911	41	5.5	White 8 h. and the
012	42	Sec	100-21-2
II ON		3	King William and Queen Mary crownd, 168
12 1	28	Pt) o with Pollux at 4. 18 in the morning.
13 2	14		and the same of th
4 2	43	in .	Pleiades & Q at 6. 33. afternoon.
15 3	12		Rigel of with of at 3. 00. afternoon.
6 3	41		
7 4	9		CONTRACTOR NAME AND ASSOCIATION OF THE PROPERTY OF THE PROPERT
18 .4	38		
9 5.	6		100000000000000000000000000000000000000
20	1.5	_	A Twelve Years Patliament ended by Cross
1 97	120		w.ll, 1653.
12 10	32	SO	Aldebaran & with Q at 6. 52. afternoon.
3 12	00	Moon	Queen Anne Crown'd, 1702. Whom God gran
4 12	49		long to Reign.
S ON		K	Mid. " Gri. Belt of with of at 4. 53. afternoo
6	38	in	The Control of the Co
7 2	12	30	The glassia and the
8 2	74	68	e to a till a miner attach
	40	24	white of with a con as and mist it
3	co	-	scheat of with D at 0. 52. past midnight.
3	20	-	

The Heliocentrick Geocentrick places of Planets, with their unde the first day of Month at Noon.	Lati f the	Jupic Mars Earth Venu	er	19 Y 13 E 20 M	51 17 Y 17 25 17 32 30 6 15 42 23 H 7 1N 1 56 16 16 U 15 1N 2 28 7 0 58 1 S 27
ribs. Phil. & Jacob			A 10 11 11 11 11 11 11 11 11 11 11 11 11		*h ? At the
2 C Rogat. Sunday	arie		8		a peginning some
3 0 Invent. Cru.	taur		1		Showers are ex-
4 Plorianus	taur	1 200	8	1	peted, then fair
5 f jothaid.	gem	23 24 42	1	di.	& warm Weather
6 & Ascension day	gem		8	15	for fome days, o-
7 a jun fet 7.52.	gem		177 x 255 x	day	herwhiles fome
8 b Stanifls.	canc				brisk Gales of
90 Sun. paft Eafle					Wind, and about
o D Term ends	leo	1	8	1929	the first Quarrer
Sol in Gemini	leo	14		7.33	to very , and fo
2 f Pancrat.	leo	26	8		298. QOA
3 g Servatius	virgo	9		D38	continues; then
4 a Sun rif 4 co.	virgo libra	22	8	٠, °	follows foggy and nifty mornings,
5 b sophia	Jibra		0	4	with fair after-
Whitfunday	1 -				noons; and Nor-
7 D Pospetus 8 C Venant.	fcorp		0 4	44	* 4 9 thernly
1 4 1 1 - 4	fcorp		0	24	Winds, with
	fagit.		8	7.7	★ħ \$ frofty
g Bernard. Helena	fagit.		8		nornings, and
boun fet 8 9.	capri		8		ir for fome
Trinier Sunday	capri		8		days : But to-
Trinity Sunday	agua.				*48 wards
C U.ban.	pilces		9		he end of the
f Augustin	pifces		9		Month Bowery
	pilces	- 1	9	3	Veather may be
g Beds vener.	aries	11	9	8	xpected
a Term begins	aries	23	9		□ T 2
b K. Charlis II Re		5	9	I	- " -
Sun p. Trinit.	taur.	-	4		* T.O.

五十年十月) First	Q	soon the 4 day, 2 min after 8 at night. Barter the 12 day, 33 min after 8 at night. Bon the 19 day, 51 min. past 3 in the afternoon. Batter the 26 day, 12 min. past 11 in the morn
7	3M30	17	D with Saura at 6 17. afternoon.
3 4	New)	ding	with Jupiter at 2. 23 in the morning; and with Mercury at 9. 4. afternoon
5	8A 35		D with Aldebaran at 7. 9 afternoon.
7	to 39	Mo	with Venus at 6 45, in the morning; and
9	12 17	12.	with Mers at 2, 24, afternoon. 8. King Charles II. proclaimed in London and
10	OM17	Ser	Westminster, 1660.
12		M	The Barl of Strofford beheaded on Tower-Hall
13	1 4	4000	1641.
15		200000000000000000000000000000000000000	Mill fact of cartification to be and at the many
16	3 02		The Earl of Castlehaven beheaded on Tower Hall, 1631.
8	Full		The great Hail at London, 1680.
20	912		Port Tree on the American
21	10 2		sprins of with 2 at 5 38. in the morning.
23	12 04	1	the state of the s
24	1. 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1	
26	1975/20 F 1 1 2 5 6 6 6	Sec. 2019.	Great Dog of with o' at 3 40. after con.
28	1 2	9	The court was
30		3600	D with Saturn at 6 31. in the morning. D with Functor at 9 8 afternoon.
31	2 2	2	Protrem & with & at o. 18, in the morning

June hath XXX Days,

Gance Planet tude t	e Heliocentrick places its, with thei he first day at Noon.	of the Jo r Lati M of the E	piter ars orth enus	2699 2007	20 9 54 13 38 29 23 5	5 9 N
1 9ab 6 f gab 6 ce gab 6 ce gab 6 72 0	Nicomed. Marcel. Erafmus Petroch, Sun rif. 3, 42. Sun. p. Trin Paulus Medardus Barnim. Onufrius St. Burnabas Sun let 8, 19. Valeri. Vit. &c. Term ends Sun rif. 3, 42. Marc. &c. Gervafe Sun p. Trin Unit Sun. p. Trin	taur. gem. gem. gem. canc. canc. canc. canc. leo leo virgo virgo libra libra libra libra libra libra licorp. corp. corp. capri. capri. capri. aqua. pifces pifces aries taur.	29 11 23 5 17 29 13 18 13 28 13 28 13 28 13 28 24 7 20 21 24 26 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Days increased	with and anuch continue of which opposite the later which appears to the la	Showers perinning, with is, follow fair Weath had for fet alteration had alteration had alteration had alteration had be then brink Gallind) till he 18th R day, is expected which, day, is expected which, day, is expected by the for
of all	The last of the la	1 2	20	0 18	and a	100 C

- New Moon the 8 day, 39 min past at in the forenoon
- Full Moon the 18 day, 12 min. paft t in the morn.
- Laft Quercer the 24 day, 8 min. paft az at night.

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- 2 3 16 Il Aldebaran with D at 1.26 in the morning.
 3 New) A bloody Sea-Fight between the Dutch and
- 4 9A 25 1 English, near the the of Wight, 1692
- 510 07 D with Mars at 10. 4 in the morning; and
 - the 6 day with Venus at 1. 52. afternoon.
- 9 12 06 N. Affellas with 2 at 9.34 afternoon.
- 14 1 57 Preryon of with of at 19. 26. afternoon.
- 16 2 31 Dunkirk taken by the English, 1658.
- 19 Pull Gravepe with Q at 3 42, afternoon.
- 10 10 30 Subjeebread, Harcourt, Finnick, &c. executed for
- 27 1 10 3 3 Treafon, 1679.
- - 12 19 mich Saturn at 4. 29. afternoon.
- 26 oM15 D with Juster at 1, 44. afternoon.
 - Regular & with 2 at 1. 10 in the morning.

July hath XXXI Days.

Ge Pla tud	ne	the Heliocentrick entrick places of its, with their L the first day of the Noon.	the Japati- Mathe East Ve	rs th	19	Days m	922 V 13 2 29 4 15 0 35 1 S 8 13 28 21 1N 10 13 17 288 34 1N 29 78 36 3 S 11
1	g	Fr. Sirith	canc.	2	0		At the beginning
1 .1		Wife Many	Canc.	14			moift Weather,
3	b	Sun fet 8 7.	Cauc.	16	0		with fome brisk
4	C	Son. p. Trinicy	leo		0		Dh O Gales of
-31	U	Anfelm.	Heo	20	0		Wind are expect
6		Trangoil.	virgo	3	0		उउँ व ed ; then
7		Becket	virgo	15	100		for some days hor
8	g	Grimbald	virgo	28			Weather and
		Cyril B	libra	11			fome Showers a-
Ic	Ď	Sun rife 4 1.	libra	25	0		bout this time,
		7 Sun. p. Trinity	Corp.	9	0		followed with
:1		Sol in Lea	fcorp.	23	0		Winds; and we
		Henricus	lagit.	.7	0		QO 2 may ex
		Bonavent.	lagic.	22	0		pect some Thun.
		swithin.	Cipri.	7	0		der-Showers a-
		Kenelm	capri.	22			bout the Full
17	Ď	Sun fer 7. 48.	aqua.	9	13		Moon; then an
		8 Sun p. Trinity		21	1 2	4	△ 4 2 increase
		Matern.	pisces	5	1 2		of Hear, and con-
		Margaret	pisces	19	L		cinues hot, and
		Praxeda	aries	2	, I,		for the most part
		Mary Mag	tres	10	L		fair ; but the 28
23	a	Ap Ilin.	aries	28	1		or 29 days may
24	D	Sun rise 4. 22. St. James	taur.	10	1	22	be expected to
			caur.	22	and of	35	produce fome
		Anningerhalt 44	gem.	1414	4 4	28	(* ¥ \$ 0.
		Martha	gem.	16	I	32	043
		Panthol.	acm.	28	1	36	Showers.
29	g	Beatrix	CARC.	10	1	4	pol lon 1 les
30	8	Abdon	CINC.	27	1	44	1 1 1 101
24	h	Sun fer 7.25.	'eO	4	I	48	

- New Moon the 3 day, 18 min. paft 2 in the morning. p First Quarter the 10 day, 22 min past 5 afternoon.
- Pull Moon the 17 day, 54 min. paft 8 in the morning. (Last Quarter the 24 day, 24 min. past so in the morn.

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2 M 14 9 The Battel at Marfton- Moor, near York City, 1644 52 = 3 New) s Affellus with of at 11. 58. at night. D with Mars at 4. 40 in the morning; and 9A 19 with Mercury at 9. 58. in the morning. D with Venus at 3. 23. afternoon. 109 10 27

D with Arista at 2 42, in the morning.

Duke of Monmouth beheaded on Tower Hill. 1685.

22. Burleigh House by Stamford in Lincolushire. formed by Cromwell, 1644.

D o with H. Andromeda at 2. 11. in the morn D with Saturn at 1. 35. in the morning.

D with Jupiter at 4. 49 in the morning. 25. The Camp at Tibary in Effer, 1988.

31. A Blo dy Fight between the Dutch and Engl Fleer, their Adm Van-Tromp flain, 1652.

Syrius of with D at o. 18. afternoon. The Duke of Gocester died, 1700.

with Mercury at 0,56 in the morning.

August hath XXXI Days.

The Heliocentrick and				
Geodenerick places of the	lupiter	70	52419 M	34 1 Sh
Planets, with their Lati-				AIN
ude the first day of the	Earth			
	Venus	21 7	13 3 3	36 dS 2
	Mercury	182	160 of	28 15

10	to Sun n Tein	leo	17	I 52 Laminate Day .:	1
18	10 Sun. p. Trin.	leo	30		-
e	Dominicus	virgo	11		
1 4	Ariflarchus	virgo	35		
	Sun rife 4 45.	libra	8	100	
	ixtus	libra	12		
	Afra	fcorp.	5		
0	1		19		
	Romanus	figit.	3	2 24 howers alfo a	
	Lawrence	fagit.	18		+
f	Tiburtius	capri.	2	(0)	
-	Sun fet 7. r.	capri.	16		d
	Sol in Virgo	agua.	1	2 039 Then for forme	
h	Eulebius	das.	15		11
	12 Sun. p. Trin.	pikes		AVX	
DE	Rochus	pisces	14	2 2 40 bout this time	
	Agapitus	pifces	27		
	Helena	ries	11	2 56 8 h & expect	2
_	Sun rife 5. 11.	aries	24		1
	Bernard	Caur.	6		
_	Privat.	taur.	19	6 hot and fir for	
	13 Sun. p. Trin.	gem.	0	3 10 dd \$ fome	
	Zechæus	gem.	12	3 16 days, But abou	at
	St. Bartholomew	gem.	24		
.6.	Ladovice	canc.	6		
	Sun fet 6. 36.	Canc.	18	3 26 0 9 the end	
0	Ruffus	leo	0	3 30 cool Winds wi	
6	Augustine	leo	13	3 34 Rain are expec	
		leo	2/5	3 39 od.	
H	Fælix	vitgo	8	3 44	
01			21	A.I.	

Augus 1.703.

New Moon the 1 day, 15 min. past 4 afternoon.

Pirst Quarter the 8 day, 29 min. past 11 at night.

Full Moon the 15 day, 5 min. past 5 afternoon.

Class Quarter the 23 day, 4 min. past 7 in the morning.

New Moon the 31 day, at 6 in the morning.

38

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ex.

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0 M24

- with So. Belonce at 9. 18. afternoon.

 | New | D with So. Belonce at 9. 18. afternoon.
 - Captain Allen and his Troop taken by a Party of Horse from Belvour Castle, 1645.
 - D with Saturn at 9. 10. in the morning; and in & with G. Andremeda at 4. 54. afternoon.

 D with Jupiter at 4. 33. afternoon.

 King Charles the First set up his Standard and Notting ham, 1642.

 D & with Mid. of Ori Belt at 1. 14 morn.

 23. Hantington taken by the King, 1643.
 - So Afillus of D at 8. 48. afternoon.

 Gelebester surrendred to Gen Fairfax, and two
 good Soldiers, Sir Cha Lucas, and Sir Geo, Liste,
 shor to death against the Castle Wall, 1648.

 D with Mercury at 2. 5 afternoon.

September hath XXX Days,

000

Jeo Plan ud	ner e (Heliocentrick and the first day of the at Noon.	18 Y 9 21 Y 30 25 46 10 0 41 20 0 55 1 S 17 7 7 3 4 11 1 1 4 9 1 N 4 18 米 5 2 10 20 5 M 6 3 S 15 6 20 5 M 6 3 S 15			
4		Sun rife 5, 37.	ibra	.5		Diffing Rain and
3		Anthony . Mamert	libra Ccorp.	15		△ ○ 4 the be-
3 4		Theodolia	fcgrp.	16	4 4	ginning follow-
		ry Sun. P Yrin.		0	4	d with brisk
5	D	Magnus	fagit	14	4 .1:	Winds; also
7 8	8	R. gina	fagit.	28	4 16	ome driffing
	•	Nit V. M.	capri.	12	4 20	Rain with cold
	4	Sun fet 6 6.	capri.	26		Winds about thi
Ic	2	Silvius	qua.	10		vime, followed
8	10	Theobald.	aqua.	24		with very high
12	0	16 Sun. p. Trin.	pifces	8	4 3	8 Winds, and tur- 2 bulent Weather;
13	U	Anisms	pisces	22	404	6 4 8 bet after
	9	Nicodemus	aries	6	4.4	oche 14th day
15		Sun rife 6.8.	CIUT.	19	40 5	4 more calm Wea-
		Lambert	aur.	14	42 6	8 8 h & ther is
		Ferriolus	Jur.	27	56	2 expected, with
19	18	17 Sun. p. Trin.	5 XX D	9		6 8 4 2 mifty
20	*	Faulta	gem.	30	5 1	ound toggy morn
21	2	St. Marthew	cinc.	2	5 1.	4 ings; and tis
2.2	f	Maurice	cane	14	5 1	shoped may con
		Sun fet 5. 38.	Inc.	26	5 2	2 tinue temperate
24		Rupertus	10	8	5 2	6 ili towards the
2/5	+	leorhas	1:0	2		end, which pro-
-)			1.			4 luceth dr fling
.0	6	18 Sun. p. Trin.		5 3	5 3	
27	10	San rife 6, 30.	virgo	16	5 3	Rain, and cold
28	1	Wenc.	virgo	2,	5 4	Winds.
29	1	St. Michael	libra	. 3	5 4	6
:6	a	Hierom.	libra	827	5 5	0

September 1703.

- D First Quarter the 7 day, 50 min. past 5 in the morn.

 Full Moon the 14 day, 18 min. past 4 in the morning.

 Last Quarter the 22 day, at 2 in the morning.

 New Moon the 29 day, 48 min. past 5 at night.

1	1 7A	25	1	Dunkirk furrendred to the Spaniard, 1652.
2	7	45		
3	- Sec. 1	05		D with Venus at 9. 18. afternoon.
4	120	25		
5	8	57	3	King James II. died at St. Germans, 1701.
6	9	30	S	
7	LO	22	3.	Carlo ala Mali
8	U. M. Po. 119	12		So. Balance of Q at o. 26 in the morning.
9	12	30		no el ny
0	oM			N d will Burkey as 0 -0 -6
1	V103	46	1	D of with Fomabant at 8. 58. afternoon.
3	3	31	M- 1	N Balance & with & at 4. 58, in the morning
4	Full		64	ar ar 4) of intelled monthly
5	6A	37		D with Saturn at 3. 13. afternoon.
6	7	16	200	
2	J. B. 18-3	35	N	D with Jupiter at 11.49 afternoon.
8	8	01	100	
9	8	26	*	No. of the
0	9	02	R	
	9	37	101	The Dutch beaten by the E. of Sandwich, 166
4		3 1	~	D of with Spring at 3. 58 in he morning, and
3	11	28		Pollux of D at 10. 28. afternoon.
4	. 2	37		
	oM	22		Cor & d) at 10. 15. afternoon.
5	19		1	on the Date to. 13. accessions.
6	1 .	46		1
7	NO. 12 APRIL 1	03	111	W e l
8	1000	19		D with Mars at 11. 18. in the morning.
9	New	-	-	
0	64	18		Do with Arille o 42. in the morning.
1		-		

October bath XXXI Days.

The Heliocentrick Geocentrick places of Planers, with their aide the first day of	f the Ju Lati- M f the Ea	piter ers rth	13 0 20 1 18 Y	23
Month at Noon.		nus	273 (562711 3 5 5 49 512 011 15 2 5
. a Remigius	(corp.	12		8 h Rain with
2 b Leodegar. 3 C 19 Sun. p. Tii	corp.	10		2 wind may be ex
4 0 Francis	f git.	25	6	ected at the be-
5 8 Sun fet 5 14.	apri.	9	6 1	ginning; and a-
6 Fides	apri.	23	6 1.	bout this time
7 8 Marc &c.	qua.	7	6 1	8 4 9 moift Air
8 a Pelagia	agua.	. 21		nd high Winds;
o b Dionyfius	pilces	4	6 20	afterwards more
C 20 Sun. p. Tric	1. pisces	18	6 30	noderace ; but
1 0 Gideon	iries	1	6 34	bout the 13th or
e Colman	aries	14		4th day plenty
Sol in Scorpio	ries	27		or Showers, fol-
g Sun rife 7. 4.	caur.	10		lowed wish
A Hedwig.	caur.	22		Winds, and rough
b Gailus	gem.	4		Weather continue
C 21 Sun. p. Trin	gem.	16	62.54	ing for fomedays,
D St Luke	gem.	28		ow more tempe-
e Prolomy	canc.	10	7 6	rate Weather is
f Wendelin	Calle	22	7 10	xpected; then
g Sun fet 4. 42.	leo	4	1 13	follows frofty and
a Roman	eo	16		cold mornings;
b Term begins	eo	28	7 2	and about the
Date. 1 . K. III	virgo	11	7 24	29 h day Wind
d Grifpin.	virgo	24		and Storms, and
e Amandus	libra	7	7 32	8 h of fome
f Uriula	libra	21		Snow may be ex-
g St. Simon & Ju	Corp.	9	7 4	8 4 1 pected.
a Nirciffus	lagic.	2,0	7 48	
b Sun rife 7. 35.	Goir	20	7 48	A1 6

- D First Quarter the 6 day, 52 min. past noon.
- Full Moon the 13 day, 23 min. paft 6 at night.
- Laft Quarter the 21 day, 35 min. paft 9 at night.
- New Moon the 29 day, 8 min. past 5 in the morning.

Pe.	14 18	-1-		
-	6A	41	1	D with Mercury at 9 51. in the morning.
1	7	05		D with Venus at 2. 30 afternoon.
3	7	44		2 day, So. Balance with Q at 1, 22. in the mor-
4	8	23	3	ning.
5		23	3	
W	10	75	100	out to a first of the second o
7		42	-	The like 3 St. House St. St. St.
37	12	39		
9		59		See vil Day
10		22	1	Marie
11	3	27	1	D of with Scheat at 1. 24 in the morning.
12	4	53	27	D with Satarn at 5. 46. afternoon.
13	Full		-	12. Sir Edmund-Bury Godfrey murdered in So-
14	5.A	43	10	merfet House by Green, Berry, Hill, &c. 1678.
15	6	05	1	D with Jupiter at 2, 55. in the morning.
16	6	28	-	
17	7	02		D & with Mid. " Ors. Belt at 5. 48. afternoon.
18	7	36		
19	Committee of the	26		King Charles II Safe arrived in France from Wor-
20	1.3	17	SB	cefter Fight, 1651.
31	10	33	3	
3	11	28		2 Tides in 3 hours near London Bridge, 1679.
23	oM	43		Edgehill Fight, 1642.
14	I	58	1	
5	3	16		
7	4	33		D with Marsat 5 37. in the morning.
8		33	1	a with the state of the state o
TE I	New	3	-	D with Venus at 9. 11 afternoon ; and with
Ł	SA	33	7	Mercury at 9.48. afternoon; and on the 30
	6	14	2	day of d with Arthurus at 9 34. afternoon,
-		-	-	

November hath XXX Days.

onth at Noon.	V	enu	5		31 24 M 32 4 S 38 22 M 58 0 S 1
ID All Saints	capri		-		Fronty Air, wir
& All Souls	capri		1.1		storms of cold
f Tacophilus	agua.			8	3 O ♥ Rain of
g K. William 3 bo			3 8	3	now, and very
a Powder Plot	pifces		1 8	_	kely to conti-
	pilces	19	1 8	3 10	ue iurbulent
C 24 Sun. p. Trin.	pifces	28	8	3 13	and rough.
b Sun fet 4 14. C 34 Sun. p. Trin. D Severus	aries	11	8	16	8 4 9 But a-
2 Theodore	aries	23	8		bout the Full
f Mare. P.	taur.	6		22	Moon more tem-
g Mart B.	taur.	18	8		perate Weather ;
& Cunibert	gem.	1	8	28	yet expect a froft
b San rif. 7. 57.	gem.	13	8	D3.	Air, which may
Chy San p. Trin.	gem	25	8		prohably conti-
O Leopold.	canc.	7	8	m37	nue dill about
& Ochmanis	CHIE.	19	3	640	the faft Quarter;
f Hugo	leo	0	8	6 43	then expect fog-
g Oct. Mart.	leo	12	8	746	gy and moift
a Eliz beth	leo	24	8	49	weather, tol-
b Eugenias	virgo	7	8	52	lowed with high
1 26 Sun. p. Trin.	viigo	19	8	54	Winds. But to
D Caecilia	libra	2	8	56	wards the end
e Clem	libra	16	. 8	58	more calm Wea-
F Sun fet 3 49	Jibra	29	9	0	ther is expected.
a Citaerine	fegrp.	14	9	. 2	1 1 1 1 1 1
a Conradus	fcorp.	28	9	4	1 1
b Gunther.	lagit.	14	9	6	
Advent Sunday	Ligit.	29	9	. 7	Dho
S.turn	capti.	14	9	9	
St. Andrew	capri.		9	10	4 60 40

November 1 70 3.

First Quarter the 4 day, 15 min. past 9 at night.

Full Moon the 12 day, half an hour past 15 in the morn.

Last Quarter the 20 day, 11 min. past 4 at night.

New Moon the 27 day, 50 min. past 3 afternoon.

	0.1	11	-	TO PROVIDE AND THE PROPERTY OF
1	7A			A MARKET TO THE TOTAL TO
2	8	12		D of with thining Harp at 1. 22. morning.
3	9	24	-	W
4	10			King William the Third born, 1650.
5	12	W		The Hellish Gunpowder Plot, 1605.
6	oM	4.30	1	
7	1	25	3	N Balance & Q at 7.0. afternoon.
8	3	41		D with Saturn at 10. 56. afternoon.
9	3	57		D & Gir. Andromeda at 5 18. afternoon.
0	Auto-	09		to the glob will be a selected to
14	6	21	. 3	a with Jupiter at 3. 28. in the morning.
13	Full	1.00	-	
3	44	55	111	Lead to the second of the second
4	15	34		C & Mid. Ori. Belt at 1.3. in the morning
5	6	13	100	and the last of th
6	CIT OF GATH	. 8	3	
7	8	4	Moo	D & S. Affellus at 8. 28. afternoon.
18	9	12	3	
9	10	20		K Charles I. born at Dumferling in Scotland, 160
10	11	32	5	N. Balance & Q at 4. 46. afternoon.
	12	45	R	10 2 King 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2	oM	45	1	NS Sp. L. August St. A. Land Fill
3	2	01	36	Do with Arffarm at 7. 44 afternoon.
9	3	17	1	D with Mars at 11.54. afternoon.
5	4	44		D with Venus at 2 fernoon.
6	6	11		D with Mercury at 6 25. in the morning.
2	New		31.	C 14 0 ce 14 1
8	44	42	36	8 9 9
5	5	50	Sett	B . C. C. and A Same
C	6	59		A Prodigious Comet, 1664.

The second second	1	VVVT	ESSENCE OF STREET
December	nath	VVVI	trays.

The Heliocentric Geocentrick places Planets, with their rude the first day Month at Noon	of the Jug Lati Ma of the Ear Ve	rth nus	180 1911 195	21 15 V 52 2 S 39 53 11 O 58 1 S 14 21 10 M 53 ON 39 50 15 M 31 2N 32 51 2 Z 18 1N 6
If f Sun rife 8 16.	jaqua.	13	9 10	Snow and cold
z g Libanus	qua.	28		843 Rain at
3 & Caffian	Pilces	12		the beginning,
4 b Barbary	pifces	25	9 13	with high Winds,
5 C 2 Sun. in Adve	nt Ties	8	9014	then close Clou-
6 D Nicholas	aries	21	9515	dy and Foggy
7 8 Sun fet 3 41.	caur.	3		Weather, and
8 f Con. V. M.	raur.	15		continues mode-
9 5 Cyprian.	aur.	28		rate for the fea-
o a Miltiedes	gem.	10		fon : But after
or Del in Capricor	gem.	22	9 16	Ah & the 12th
12 C 3 Sun in Adver	anc.	4		day the Weather
2 D Lucia V.	canc.	15		is likely to be
D Lucia V.	canc.	27		Frosty, followed
5 f Sun rife 8. 19.	eo	9		with Wind and
6 8 Ananias	leo	31		Snow, and right
7 & Lazarus	virgo	3		Winternly Wes-
8 D Rufus	virgo	16	0 3	ther, and may be
9 4 Sun. in Adve	entvirgo	28	0 4	expected to con-
lo Ammon	. MIDLS	11	000	tinue harp till
I St. Thomas	libra	24		towards the end;
22 1 Sunfet 3.45.	corp.	. 8		440 then the
3 8 Victor.	Icorp.	22		Frott probably
4 a Ignatius	Magit.	2		may break with
5 Christmals-Day	lagie.	22		Rain and Wind.
Sr. Stephen	capri.	7	0 13	
7 St. John	: Pri,	22		DIO. DAG
8 VInnocents	iqua.	7	0 16	40 614
9 8 sin rife 8. 10	qua.	22	0. 18	
o f Wavid	pilces		0 20	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
And the Property of the Parket	Lilces	4	0 32	in the state of the state of

December 1903.

-	FL	irff ull	Qu Ma Qu	parter the 4 day, 8 min. past 8 in the morning, bon the 12 day. 29 min. past 6 in the morning, latter the 20 day, 12 min. past 8 in the morning oon the 27 day, 14 min. past 2 in the morning.
-	184	20	-	South Balance & dat 2 58 afternoon.
2	0	44		A CA C A C A C A C A C A C A C A C A C
3	14	03	Z	
-	12	22	3	Merchab & D at 2. 8 in the morning
5	ON			or co v is also see
6		36	3	D with Saturn at 1. 57. in the morning.
17	2	49	3.	the state of the s
8		59	3	D with Jupiter at 4 4. in the morning; and
09	5	20	3	the Same day M Balance of of at 1, 46. morn
10	6	16	:	三十十十十二十十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二
11	A	123	1	1 10 1 10 1
12	Full		-	9 dt 2 de 8 da 14
13	4A	40	7	d Process at 0, 46. past midnight.
14		43	5	and the second s
15		47	5.	S. C. Branch and Branch Ghanne
16		-5-	2 H	D & Regular at 9 hours afternoon.
17		9	1	
26.	10	10	30	the classical classical relationships
19	But.	39	9	1 10 01 00 0 00 E 1 1 1 1 1 1 1 1 1 1 1
21	IN M	47	2.	or a second of the
22	oM 2	46	27	
23	3	(3)	9	with Mers at 5. 25. afternoon, and will
	11	10	-	Venus at 9. 32, afternoon,
34	8	42	2	The state of the s
26	3	35		D with Mercury at 6 58 afternoon.
17	No-	73	-	A STATE OF THE PARTY OF THE PAR
28	SA	38	-	Queen Mary died, 1694.
40	17	1	Sec	Fomahant & D 9 27 . past midnight.
30	8	30	3	atomic offering

A plain and easy Table, shewing the true Interest due upon any Sum of Money, from Five Shillings to an Hundred Pounds, for a Year or under, after the Rate of Six Pounds in the Hundred.

1		1	Mon	th	3	Mon	th	6	Мол	th	9	Mon	th	A	Ye	ar
34			d.	9		d.	9	s.	d.	9	5.	d.	9.	s.	d.	9
	5	0	0	7	0	. 0	3	0	1	-3	9	2	2	0	3	2
	10		0	2	0	. 1	3	0	3	3	0	5	0		7-	0
8	15	0	•	3	0	2	2	0	5	1	0	7	2	0	10	2
	1	0	1	-	•	3	2	0	1	. 0	0	10		1	2	1
	2	0	2	1	0	7	0	1	2	- 1		9	1	2	4	
	3	0	3	1	0	10	2	-	9	2	2	6	3	3.	6	3
릴	4	0	3 4 6	3		6	1	3	4	0	-	6	3		9	6
5	5	6		0		9	2	3	7	0		4	2			1
	7	0	7 8	1	2	í	0	4	2	1	6	3	1		4	
	8	0	9	2	2	4	2	4	9	1	7	1	3		6	3
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		1.	J.	d	ī.	s.	d	4.	s.	d	l.			4.	1.	d
	10	0	1	. 0	0	3	•	0	6	. 0	0	9	0	0	12	
	20		1	. 0	0	6		0	13	0	0	18	0	1	4	
ğ	30	0	3	_	U	9		0	18	. 0	1	3	•		16	(
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	60	0 0	5	0	0	15	0		16	0	-	14	9	3	12	
0	70	5000 H	7	0				100	2	0		3		100 h	4	
5	80		. 8	0		4	. c	2	8	0	3	12		4	16	
100	90		9	0		7	0	2	14	0	4	1	.0	4	8	•
	100	100	10	o	1	10	C	3	6	0	4	10	C	16	0	6

T

T

Find the Principal in the first Column, and in the other you have the Interest due for One, Three, Six, Nine, or Twelve Months.

The Second Part.

CONTAINING,

A Brief Chronology of Memorable Things to this Year 1703.

The Sun's Entrance into the Four Cardinal Signs.

The Calculation of the Eclipses.

0

3

0

0

The Calculation of Two Conjunctions, (viz.) one of Saturn and Mars, and the other of Jupiter and Mars.

The Southing of the Seven Stars every Fifth Day of this Year. With Directions for finding the Rifing, Southing, and Setting of feveral Fixed Stars.

And Other Things worth Observation.

LONDON:

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Since

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6 To Te

A Brief Chronology of Memorable Things, to this Tear 1703.

0		Years
DI	nce the Creation of the World,	
41	S' The Greek Churches,	7211
	The Roman Churches,	690T
54	The Jews and Ancient Rabbins,	5463
9	The Account of Holy Scripture,	5652
18	The Flood of Noah,	3996
1	The Promise made to Abraham,	3630
P.	The Destruction of Sodom and Gomorrah,	3605
C.	The going of the Ifraelites from Egypt,	3200
	The Destruction of Troy,	2885
	The Building of London,	2810
	The Foundation of the Temple,	2719
	The Building of York,	2692
	The Building of Leicester,	2646
	The Building of Canterbury,	2595
	The Building of Stamford,	2566
, ,	The Building of Rome by Romulus,	2455
0	The carrying captive to Babylon,	2293
Since	Haman hang'd,	2155
S	Alexander died,	2023
r	Julius Cafar flain,	1746
. /	The Paffi in and Refurrection of Christ,	1670
	Rome was burnt by the command of Nero,	1642
1	St. Peter and St. Paul were put to death,	1629
	The destruction of Jerusalem by T. Vesp.	1616
	England first received the Christian Faith,	1523
	Scotland first received the Christian Faith,	1500
	Severus the Emperor was flain at York,	1491
	The death of Constantine the Emperor,	1362
	The death of St. Augustine,	1273
	The Tower of London was built,	1138
1	The Danes first came into England,	685
àr.	C 2	Since

PEPPER, 1703.

14	
ğ	Duke William conquer'd England,
į	Westminster Hall was built,
Š	The first Mayor of London,
	The Bible divided into Chapters,
į	London-Bridge was finished of Stone, 4
	The Institution of the Order of the Garter,
9	The Invention of Guns,
Ļ	The Art of Printing,
	St. Paul's Steeple fired by Lightning,
3	New Star in Caffiopeia,
1000	A great Snow fell, Feb. 4th
	A Plague in Lendon, whereof died 30598,
9	A great Snow, and Smithfield paved,
	A great Plague in London, whereof died 35418,
1	The Long Parliament began Novemb. 3d.
	Two Comets appeared in December and March,
	The doleful Plague that followed them,
	London was burnt, September 2, 3, 4, 5,
-	The last great Snow,
No.	The wonderful Comet in December,
	A Comet in August,
	The terrible Fire in Wapping, Novemb. 19th.
-	A great Earthquake, Offob. 6th.
	The last great Frost,
1	The Rebellion in the West,
ì	The Seven Bishops sent to the Tower, June,
-	The Prince of Orange landed Novemb 5th.
	King William went to Weland with an Army, June,
-	The French Fleet heaten by the English and Dutch, &c.
	The Horrid Conspiracy to Assassinate King William,?
-	and to being in the French was benefit different
1	and to bring in the French, was happily discovered,

the driving four Long Arian Med Rei Me Rei M

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Of the Four Quarters of the Year, and	d first of	the St	ring.	
THE Spring Quarter this Year begin				
hours, 3 min. 24 fec. or which is a				
and the party and the morning				
Bonness , Rise - tartist rootses at oramjora .	The Su	n the	n ent	ring
miss, (or the Batter Barns) maketh toda	Day an	Id IN	gnt to	o al
me Earth (except under the Poles) By a found :	gtronomi	a Gar	ouna	(nus
Longitude of Sel from the Aquiner	co	.00	00	00
Præcession of the Equinox Substract	co	28	57	45
Longitude from the first * of Aries	11	10	02	15
Anomaly correspondent	8	20	44	20
Mean Anomaly of Sol 1703, Substract	6	12	56	05
Refidue	2	07	48	15
Mean Anomaly for March Substract	1	28	09	04
Refidue		9	39	11
Day 9th fubftract		8	52	14
Residue	* 1 To 12		46	57
Hours 19 Substract			46	49
Refidue	1		1	08
Minutes 3 Substract	-		1	07
Residue 1, which makes in time 24 seco	onds,			or
Of Summer				
This Quarter takes its beginning when	the Sur	n tou	cheth	the
first Scruple of the Tropical Sign Cancer	, culin	g lon	geft !	Day

and hortest Night to all the Inhabitants on this fide the Æquator, which happens this Year (according to the Caroline Tables) on Thursday the roth of June, at 20 hou, 9 min. P. M. or according to vulgar apprehension, on Friday the 11th of June, at 9 min. paft 8 in the morning at London, and 2 min. fooner at stamford; which is proved by the following Calculation.

Years Month Tempus datum 1703 June 10 day, 20 hours, 9 min. 26 Mean Anomaly Long. of Sol from the first * of Aries 01 C2 03 Præcession of the Æquinox add 28 57 57 The Sun's true place is found to be 00

Of Autumn.

This Quarter beginneth at such time as the Sun toucheth the first Scruple of the Æquinoctial Sign Libra, or more really when the Earth enters the first scruple of Aries, which happens this Year September the 12th, at 50 min. past 9 afternoon in the Meridian of London, and 2 min. sooner at Stamford: By Astronomia Garelina thus proved.

Tempus datum 1703 Sept. 12 day, 9 hou. 50 min. 5 0 "

At which time the Mean Anomaly is 2 24 40 09

Longitude of Sol from the first * of Y 5 01 01 51

Præcession of the Æquinox add 28 58 09

Locus Solis © 00 00 00

This Quarter beginneth at such time as the Sun toucheth the first Scruple of the Tropical Sign Capricorn, being then declined farthest from us, and makes the shortest Day and longest Night to all the Inhabitants on this side the Acquator; which happens this Year on Friday the 10th day of December, at 23 hou. 20 min. 48 sec. or more plainly on Saturday the 11th day of December. 20 min. 48 sec. past 11 in the forenoon. By Astronomia Carolina thus proved.

Anno Domini 1703. Decemb. 10th, at 23 hou. 20 min. 48 fec.

	. 3			-
Mean Axomaly	5	22	56	36
Longitude of Sol from first * of Aries	8	10	10	39
Precession of the Æquinox add			58	
L'eus Solis	VS	00	00	00

Of the Eclipses this Year 1703

There will happen to the Inhabitants of this Terraqueous Planet whereon we live, no less than Six Luminarian Eclipses; viz. Four of the Sun, and Two of the Moon. They

happen in the following Order.

The first is of the Sun, on the 6th day of January, about in the sorenoon, but cannot be seen of us, by reason the South Latitude of the Moon, augmented by her Parallax, far exceeds the Sum of the Semidiameters of the Sun and Moon; but may be seen of those who inhabit the South Africk, the Mands of St. Thomas, and the more Southern Parts yet unknown to us.

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the Node lubftra	d	3	9	43	29
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itude Norrh desc	cending	7			25
	William Co., Company of the Co., Co., Co., Co., Co., Co., Co., Co.,				-45
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me of 8 June !	he 17th, at 13	Hours-	11 - 11 - 1	126	
					21
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r. 30	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 . /7		7	50
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eter of the Moo	on —	<u> </u>		16	26
e Semidiameters				51	35
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	ime of the true nomaly is the Node substrated it in added Reduction substrated from a stamford time at London, and time at Stamford time at Stamford	ce of the true of at London, in the Node tubstract— the Moorth descending— added— Reduction substract— time of 8 June the 17th, at 13 of time substract— time at London, at 13 Hours— time at Stamford at 13 Hours— time at Stamford at 13 Hours— time at Stamford at 13 Hours— time of the O substract— diameter of the Earth's shadow eter of the Moon— e Semidiameters— titude substract— deficient— ipsed— half Duration— alf Duration— alf Continuance in Total Dark the 8 and greatest Obscuration alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark the 8 and greatest Obscuration— alf continuance in Total Dark	Calculation. inne of the true of at London, June 17th a formula of is at London, June 17th a formula of the Node tubstract the Node tubstract gument of Latitude, itude North descending added Reduction substract time of 8 June the 17th, at 13 Hours of time substract time at London, at 13 Hours of Meridians substract time at Stamford at 13 Hours time at Stamford at 13 Hours ceter of the O substract diameter of the Earth's shadow eter of the Moon e Semidiameters stitude substract deficient ipsed half Duration alf Duration alf Continuance in Total Darkness the 8 and greatest Obscuration add Hence ning of the Eclipse at ning of Total Darkness at— ning of Total Darkness at	Calculation. Image of the true of at London, June 17th at 13 Inomaly { is } 6 16 It e of the { is } 73 6 It e of the	ime of the true of at London, June 17th at 13 14 momaly

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Latitude of (at Seginning — 22 55 the Ending——11 55 The Third is of the Sun, July the 3d day, 3 in the Morning, and therefore not visible to	North din between us.	h defing.	and
The Third is of the Sun, July the 3d day,	betwoods. ay of d their	ng. een 2	cen-
Jan tar through the through	d the		mhen Br
The Fourth is of the Sun upon the 27th d	a the		
the beginning thereof being after Sun-fet, an visible to ut, but may be seen in and about		Atla	utici
Ocean, &c.		Z	
The Fifth is a Total and near Central Eclip	fe of	the M	
upon the 12th of December in the Morning.	Se Book	1 4 3	
The Calculation. S	. H.		"
Middle time of the true 8 at London, Dec. 11. at	18	39	I
Mean Anomaly of { is }	23	44	10
the }("5	22	12	24
The place of { is }	0	49	15
the	0	49	15
Place of the Node fubftract-	0		23
Rests Argument of Latitude		-28	52
True Latitude North afcending	-	2	31
Reduction substract			-c7
Time of Reduction added	17.16.17.17.17.17	Maria Santa Contract	-16
Correct rime of the true & Decemb. 11th day at		39	27
Equation of time add	11112		-33
Apparent time at Lordon at	- 18	40	00
Difference of Meridians fubitr ct		- 2	0
Apparent time at Stamford at	-18	38	0
Horiz, Par. 30		19 1	-10
Sum of Havin Paraller		-53	I
Sum of Horiz Parallax Semidiameter of the O Substract	Mari	-53	iï
Rest semidiameter of the O shadow			24
Semidiameter of the Moon			47
Sum of the Semidiameters			19
Moon's Latitude substract			
Rests parts deficient		31 1	31
Digits Eclipfed		-48 21	35
Motion of half Duration —	-25		39
Wildliam of Main Duration		-	ime

1 L L L L, 1703.		327
H.		"
ime of half Duration	53	16
fotal Duration	46	32
totion of half continuance in total Darkness -	-22	19
time of half continuance in total Darkness-	-49	32
nterval of the 8 and greatest Obscuration sub-		-29
The beginning of the Eclipse at16	-44	15
The beginning of total Darkness at-		59
The middle or greatest Obscuration at18	37	11
The end of total darkness at	27	3
The end and full recovery of Moonthine20		47
(Lati- Sat Beginning, South descending -		
tude Lat Ending, North afcending		
The Sixth and last is a small Eclipse of the Sun on		
of December, between two and three in the Morn		
therefore invisible to us.		500
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To find the Rising, Southing, and Setting of Several Fixed Stars bereafter mentioned.

IN the Tables following, you have first the Seven Stars Southing for every fifth day; in the second Table you have the difference betwixt the Southing of those Stars therein named, and the Seven Stars; which being added to the time of the Seven Stars Southing, giveth theirs. In the Same Table is also fet their Semidiurnal Arches, thereby to find the Rifing and Setting of the faid Stars. Suppose it is required to know what time the Bull's Eye, called Aldebaran, will be South the 16th of February? I then find the Seven Stars South at 4 ho. 47 min to which I add o to 49 min, the difference annexed to Aldebaran, and it makes 5 ho. 36 min, being the time of its Southing the faid 16th of February. If to the Southing you add the Semidiurnal Arch 7 ho. 28 min. it gives the time of its Setting at 13 ho 4 min that is, at 4 min raft one in the morning on the 17th day bur if you tubiltract the Semidiernal Arch from the Southing, it leavesh the time of its Rifer g. The like may be done by any other of the faid Stars.

P. E P P E R, 1703.

A Table shewing the Hour and Minute of the Seven Stars coming to South every Fifth Day of this Year 1703.

		÷	Day	s of	2000		4 15		112	211	-
Months	H. M.	H.	M.	Barrio Contract	M	2.4	M.		M.		26 N
January	7A 52	78	131	7 A			149	61	1 28	6A	
February	5A 44	5	25	5	6	4	47	4	28	4	1
March	3A 59	3	40	3.	. 22		4	2	46		2
April	2A 6	I	47	1	28	1	11	0		0	3
May .	0A 14	111	154	IIM	133	IIN	1,3	Iol		ION	12
une	ICM 9			9	27		7	8	46		2
uly	8 W 5		45	7	26		6	6	47	6	2
August	6M 4		46		28	5	9	4	51	4	3
eptember			52	3	34	3	16	2 .	58		4
October			2	1	44	1.	24	L	5		4
Vovember			0	IIA		IIA			54	IOA	3
December	10A 10	9A			26		4		42	8	29

A Table shewing the difference in Hours and Minutes between the coming to South of several Fixed Stars, and the Seven Stars; as also their Semidiumal Arches, thereby to find their Rising and Setting.

Names of the Stars.	10		Ai		Names of the		f ouch.		
BOOKED TO A CONTROL OF THE PARTY OF THE PART	H	M.	H	M	O. Carlo	H	M	H	M
Aldebar B'Eve	2	49	7.	28	Jion heart Bit.	6	23	7	13
ad in Orion Gir	1	51	5	54	Virgins Spike	9	40	5	9
Gr Dog Syrius	3	2	4	3	Arcturus	10	3.2	8	C
Eaft. if Head IL	3	45	9	47	South Ba'ance	I	5	4	4-
Lif. Dog Procy	3	54	6	32	North Balance	11	.31	5	16
Pollux 2 head II.	3	57	9	4	North Crown	11	52	8	55
Northern Aff	4	56		12	Bigh: * Lyra	14	57	fets	no
· ··· · · · · ·	4	58	7		Right * Valt.		6	6	43

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The Calculation of the Conjunction of Saturn and Mars, which will happen,

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muary 4 {6	30 15	T. M. 3 in 4	26	35	γ.
By Aftronomi	a Carolina	thus proved.			,

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Inclination of the Orb

	3	D.			3.	v.	100	4
Mean Anomaly of -	1 3	18	58	55	8	3	04	45
long. O from first * of Y		26	04	30	8	26	4	30
Heliocentrick Longitude of	11	11	06	55	0	14	13	52
Commutation	9	14	57	35	8	11		1,000
Comp. to a Circle -	2	15	02	25	3	18	9	22
lalf Sum	1	37	31	121	100		4	
longation		69	24	28	inst.		24	
ar. O.b. Substract		5	37	57	E S	38	44	54
Reocent. Siderial Longitude	11	5	28	58	11			
receffion of Æquinex add		28	57	37	10		57	
ongitude from the Æquinox	3.	4	26	35	r	4	26	35

True Latitude at the Earth | \$6. 2 22 29 | 50 9 29 | So the Curtate di- | 5 972219 | 5.1675867

So.

Hence Mars will be Elevated above Saturn 2 Degrees ands

PEPPER, 1703

The	Galculation	of the	Conjunction of Jupiter	r and	Mars .	mbick
•		4	well happen,	1.		

46 1	h.	,	"	d. ' ''	
Tannery to	520	6	23	T. M. ?	••
January 10.	513	54	6	T. M. in 8 59 22	V.

By Aftronomia Carolina thus proved.

Inclination of the Orb ____

True Lititude at the Earth

Log. of the Curtate di-?

Sance from the Sun - 5

His Longitude from the Æquinox————————————————————————————————————	28	57	44
His Longitude from the Æquinox————————————————————————————————————		. 11	37
C.1 P17 110 / C.	1	43	17
Logarithm of the Earth's distance from O-	4.9	9307	5

				0. 0			V	
Mean Anomaly of		9	45	28	1 8	6	31	4
Long. O from first * of Y				40	9	2	45	40
Heliocentrick Longitude of	11	20	35	19		17		
Commutation ———	9	12	10	21		14		
Comp to a Circle	2	17	49	39		15		
Half Sum	1			49		52	33	44
Elongation	1			5		67	16	5
Par. Orb. fubstract -				34		37		
Geocent. Siderial Longitude	11		01			10		
Prec ffion of Æquinox add				37	7.0		57	
Longitude from the Æquinox	r			22	r		59	

V 8 59 22

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So

So.

Hence Mars will be Elevated above Jupiter i Degree, 11 Minutes, and 17 Seconds.

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Astronomical Definitions.

A Sphere or Globe is a solid Body, containing only one Superficies, in whose middle there is a Point (called the Center), from which all Right or Strait Lines drawn unto the Circumference or Superficies; are Equal.

The Poles of the World are two Fixed Points in the Heavens Diametrically opposite the one to the other; the one called the Artick or North Pole, the other is called the Antartick or

South Pole.

The Axis of the World is an imaginary Line drawn from the North Pole, through the Center of the Earth, unto the south Pole, about which the Diurnal Motion is performed.

The Meridians are great Circles, concurring and interfecting

one another, in the Poles of the World.

The Equinottial, or Equator, is a great Circle, 90 degrees distant from the Poles of the World, cutting the Meridians at Right Angles, and divideth the World into two Equal Parts, cal-

led the Northern, and Southern Hemispheres.

The Ecliptick is a great Circle, croffing the Equinostial in the two opposite Points Aries and Libra, and maketh an Angle therewith (called its Obliquity) of 23 degrees and 29 minutes. This Circle is divided into 12 Signs, each containing 30 deg As Aries Y, Taurus O, Gemini II, Cancer D, Leo Virgo IV. (which are called Northern Signs) Libra A, Scorpio M, Sagitarius A, Capricornus VS, Aquarius M, and Pisces H; these are called Southern Signs.

The Zodiack is a Zone, or Girdle, having 8 deg. of Latitude on either fide the Ecuptick, in which space the Planet; make

their Revolution.

The Colours are two Meridians, dividing the Ecliptick and the Equinoctial into four equal parts; one of which passeth by the Equinoctial Points Aries and Libra, and is called the Equinoctial Colour; the other by the beginning of Cancer and Capricorn, and is called the Solfitial Colour.

The Azimuths, or Vertical Circles, are great Circles of the

Sphere, concurring and interfecting each other, in the Zenit Lo and Nadir.

The Zenith and the Nadir are two Points Diametrically oplace posite the one to the other : The Zenith is the Vertical Point a or the Point over our Heads ; The Nadir is opposite thereto. T

The Horizon is a great Circle, 90 deg. diffant from the Za co nith and Nadir, cutting all the Azimuths at Right Angles, an egil dividing the World into two equal parts, the upper and visible of Hemisphere, and the lower and invisible Hemisphere.

The Meridian of a place, is that Meridian which passeth bent

the Zenith and Nadir of the place.

The Poles of the Ecliptick are two Points, 23 deg 29 min

distant from the Poles of the World.

The Tropicks are two small Circles, Parallel unto the Equal in modial, and distant therefrom 23 deg. 29 min., limiting the Sun's greatest Declination. The Northern Tropick passeth by the sque beginning of Cancer, and is therefore called the Tropick of Can on cer: The Southern Tropick paffeth by the beginning of Capricon for and is therefore called the Tropick of Capricorn.

The Polar Circles are two Small Circles parallel to the Equi beg notial, and distant therefrom 66 deg. 31 min.; and from the with Poles of the World 23% 29; that which is adjacent unto thein a North Pole, is called the Artick Circle, and the other the Antar Equ

tick Circle.

The Almicanthars, or Parallels of Altitude, are small Circles ing parallel unto the Horizon, imagined to pass through every de gree and minute of the Meridian, between the Zenith and Ho fin rizen.

Parallels of Latitude, or Declination, are small Circles paralle unto the Equinoctial; they are called Parallels of Latitude, in pla respect to any place on the Earth; and Parallels of Declination of in respect of the Sun or Stars in the Heavens.

The Latitude of a place, is the height of the Pole above vil the Horizon, or the diffance between the Zenith and the Equi-

1091al.

The Latitude of a Star is the Arch of a Circle, contained betwixt the Center of a Star and the Ecliptick Line: This Circl making Right Angles with the Ecliptick, is accounted eithe Werthward or Southward, according to the Scituation of the Star.

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Zenit Longitude on Earth is meafured by an Arch of the Equinoftial. entained between the Primary Meridian, (or Meridian of that olly op ace where Longstude is affigned to begin) and the Meridian

Point any other place, counted always Eafterly.

the Ze contained between the Star's place in the Ecliptick, and the es, an eginning of Aries, counting them according to the Successi-

The Akitude of the Sun or Stars, is the Arch of an Azimuth, eth be ontained betwixt the Center of the Sun or Star, and the Ho-

zon.

min Aftension is the rising of any Star, or part of the Equinoctial. any degree above the Horizon; and Descension is the fetting

Equi f it.

ng th Right Ascension, is the number of Degrees and Minutes of the y the quino Etial, (reckoning from the beginning of Aries) which of Can mueth unto the Meridian, with the Sun or Stars, or with any ricorn portion of the Ecliptick.

Oblique Ascension, is an Arch of the Equinoctial, between the Equi beginning of Aries, and that part of the Equinoctial which rifeth m the with the Center of a Star, or with any portion of the Ecliptick o then an Oblique Sphere; and Oblique Descension is that part of the

antar Equinoctial that letteth therewith.

The Ascensional difference is an Arch of the Equinodial, be-

irclesting the difference betwixt the Right and Oblique Ascension.

y de The Amplitude of the Sun or Stars, is the distance of the rid Ho fing or fetting thereof, from the East or West point of the Horizon.

The Parallax is the difference between the true and apparent te, in place of the Sun or Star; the true place of a Star is the point stion of the Firmament shewed by a right Line drawn from the Center of the Earth through the Center of the Star; but the bove visible or apparent place is determined by a Line drawn from Equil the Eye through the Center of the Star.

The Refraction of a Star, is caused by the Atmosphere, cr vaperous thickness of the Air near the Earth's Superficies, whereby the Sun and Stars feem always to rife fooner, and fet laten

than really they do.

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Advertisement.

Wing, with Arithmetick in whole Numbers, Vulgar Fractions, Decimals, Logisthms, Instrumentally, and by Algebra.

Geometry, both plain and folid.

Aftronomy, (viz.) To Calculate the Longitud and Latitude of the Planets, with their Declination and Ascension; To Calculate the Eclipses of the Luminaries; also to project the Sphere in Planet any Latitude; and the Use of the Globes, but Celestial and Terrestrial.

Trigonometry, or the Doctrine of Triangles bot

Plain and Spherical.

Navigation, by the Plain and Mercator's Char and by great Circle.

Dyaling, either Arithmetically, Geometrically

or Instrumentally.

Surveying and Plotting of Land divers ways and by feveral Instruments; also the taking of Altitudes, Profundities, Distances, &c. together with the Mensuration of Superficies and Solids, and the Gauging of all sorts of Brewers Vessels, And Taught in Stamford by Foseph Pepper, the Author With whom Youth may be commendably Boarded for speedier Improvement.

If any Gentleman or other Person would have hi Land surveyed, or any Building or Edifice measured, either for Bricklayers, Carpenters, Masons Plaisterers, &c. The Author of this Almanack will perform the same either for Master or Workmen.